

ABSTRACT OF THE DISCLOSURE

A method and a system is disclosed for providing quality of service (QoS)-driven channel access within a basic service set (BSS) in a wireless local area network (WLAN). A contention control (CC) frame is sent from a point coordinator (PC) of the BSS during a contention-free period (CFP) of a superframe that includes the contention-free period (CFP) and a contention period (CP). The CC frame contains information relating to at least one of a priority limit for a next centralized contention interval (CCI), a length of the next CCI, a permission probability associated with the next CCI and information relating to a reservation request (RR) frame successfully received by the PC in a previous CCI. A non-colliding RR frame is then received at the PC in the CCI following the CC frame. The received RR frame is sent from a non-PC station in the BSS when at least one centralized contention opportunity (CCO) is available during the CCI after the CC frame. The RR frame indicates that the non-PC station sending the RR frame has at least one buffered data frame for transmission.